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(71)Applicant: **FUJI YAKUHI KOGYO KK**

(72)Inventor: **OKADA YASUNORI**
FUJIMOTO NOBORU
MORI NOBUKO
KOUBAYASHI MASAYOSHI
SHINTANI TAKASHI
IWATA KAZUSHI

(54)IMMUNOLOGICAL METHOD FOR
DETERMINATION OF HUMAN 92KDA
GELATINASE

(57)Abstract:

PURPOSE: To determine human 92kDa gelatinase (human MMP-9) in a sample to be inspected, precisely, simply and quickly, by using a monoclonal antibody which is combined specifically with the human MMP-9.

CONSTITUTION: Two kinds of monoclonal antibodies which are combined specifically with human MMP-9 are used as antibodies to be combined with a solid-phase carrier or

antibodies giving tags thereto, and measurement is executed immunologically by a sandwich method. On the occasion when an antigen- antibody reaction is executed, polyoxyethylene lauryl alcohol ether is added to a reaction liquid preferably in a concentration range of 0.02 to 0.1% (W/V) generally. Thereby nonspecific combination and interference in the antigen- antibody reaction by serum protein can be lessened and, therefore, the human MMP-9 in a specimen can be measured with increased accuracy.

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